



The SVTS C 06-U-A-00/60 is a through-bore slip ring with a 50 mm bore combining 60 circuits rated at 5 A, with a 120 mm outer diameter and IP65 protection. This configuration provides high connection density around a 50 mm central passage, suited to complex rotating architectures.

 Feature

SVTS C 06-U-A-00/60	
Circuits	60 x 5A
Outside Diameter	120.00 mm mm
Inside Diameter	50.00 mm mm
Overall Length (L)	201.50 mm mm
Protection rating	IP 65
Data Transfert	<=100Mbit/s
Mounting	Thru-bore 50mm

 Mechanical features

Nominal speed	>400 rpm
Temperature range	-20°C to +80°C (-40°C as option)
Contact	gold-gold (alloy)
Bearings	Miniature high-precision stainless steel ball bearings
Connector	-
Mounting	ABS



Electrical features

Voltage	240 VDC/VAC
Cables	Silver plated / PTFE insulated / colour coded
Cables length	250 mm standard (other length on request)
Dielectric voltage strength	500VAC @ 60Hz @ 60 sec
Insulation resistance	>500MOhm/500VDC
Dynamic contact resistance	10mOhm @ 6VDC and 500mA (@ 5rpm)
Expected lifetime	10 ⁷ revolutions (depending on speed, environmental conditions and size)

Notice : The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.



Advantages

50 mm through-bore

120 mm outer diameter

Up to 72 circuits depending on configuration

20 A power circuits

5 A signal circuits

Wide range of combined power and signal configurations

Multipoint contact technology

Low electrical contact resistance and low electrical noise

Reduced wear and lubrication-free operation

Compliant to CE and RoHS



Benefits

Maintains a 50 mm central passage for shafts, cable bundles or lines directly through the rotating axis

Allows 20 A power circuits and signal circuits to be combined around the same central passage

Meets the needs of machines requiring substantial electrical capacity without moving mechanical components away from the axis

Allows mechanical elements and electrical connections to be centralized within a high-capacity rotating architecture

Customisations

- Cables
- Materials
- Mechanical design
- Flange



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